Performance Data Sheet

RGA5512BAA

General Information

Model	RGA5512BAA	**Refrigerant**	R-410A
Test Condition	ARI	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	3770	3700					
	Watts	716	766					
	Amps	8.75	9.16					
	Lb/h	49.6	47.9					
-10	Btu/h	4380	4220	4060				
	Watts	735	791	848				
	Amps	8.89	9.34	9.80				
	Lb/h	56.0	54.0	52.1				
-5	Btu/h	5070	4830	4590	4340			
	Watts	751	813	876	940			
	Amps	9.00	9.48	9.98	10.5			
	Lb/h	63.3	61.2	59.0	56.7			
0	Btu/h	5850	5520	5200	4870	4540		
	Watts	762	830	899	969	1040		
	Amps	9.08	9.60	10.1	10.7	11.2		
	Lb/h	71.6	69.2	66.8	64.3	61.8		
5	Btu/h	6710	6300	5890	5480	5070		
	Watts	770	844	919	995	1070		
	Amps	9.13	9.69	10.3	10.8	11.4		
	Lb/h	80.8	78.2	75.6	72.9	70.1		
10	Btu/h	7650	7160	6670	6180	5690	5190	4690
	Watts	773	854	935	1020	1100	1180	1270
	Amps	9.16	9.75	10.4	11.0	11.6	12.3	12.9
	Lb/h	91.0	88.2	85.3	82.4	79.4	76.3	73.1
15	Btu/h	8690	8110	7540	6960	6390	5810	5230
	Watts	773	860	947	1030	1120	1210	1300
	Amps	9.17	9.79	10.4	11.1	11.7	12.4	13.2
	Lb/h	102	99.1	96.0	92.8	89.6	86.2	82.8
20	Btu/h	9810	9150	8490	7830	7170	6510	5850
	Watts	768	861	955	1050	1140	1240	1340
	Amps	9.15	9.81	10.5	11.2	11.9	12.6	13.3
	Lb/h	114	111	108	104	101	97.2	93.5

25	Btu/h	11000	10300	9530	8790	8050	7300	6560
	Watts	759	859	958	1060	1160	1260	1370
	Amps	9.12	9.81	10.5	11.2	12.0	12.7	13.5
	Lb/h	127	124	120	116	113	109	105
30	Btu/h	12300	11500	10700	9840	9010	8180	7350
	Watts	746	852	958	1060	1170	1280	1390
	Amps	9.07	9.79	10.5	11.3	12.0	12.8	13.6
	Lb/h	141	137	134	130	126	122	118
35	Btu/h	13700	12800	11900	11000	10100	9140	8230
	Watts	728	841	953	1070	1180	1290	1410
	Amps	9.00	9.76	10.5	11.3	12.1	12.9	13.8
	Lb/h	156	152	148	144	140	136	131
40	Btu/h	15200	14200	13200	12200	11200	10200	9200
	Watts	706	825	944	1060	1180	1310	1430
	Amps	8.92	9.71	10.5	11.3	12.2	13.0	13.9
	Lb/h	172	168	164	159	155	150	146
45	Btu/h	16800	15700	14600	13500	12400	11300	10300
	Watts	680	805	931	1060	1180	1310	1440
	Amps	8.83	9.66	10.5	11.3	12.2	13.1	14.0
	Lb/h	189	185	180	175	171	166	161
50	Btu/h	18400	17300	16100	14900	13700	12600	11400
	Watts	649	781	913	1050	1180	1310	1450
	Amps	8.74	9.59	10.5	11.3	12.2	13.2	14.1
	Lb/h	207	202	197	192	187	182	177
55	Btu/h	20200	18900	17700	16400	15200	13900	12600
	Watts	613	752	891	1030	1170	1310	1450
	Amps	8.63	9.52	10.4	11.3	12.3	13.2	14.2
	Lb/h	226	221	216	211	205	200	195

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	8.413904E+03	2.294475E+02	5.152253E+00	8.951742E+01
C2	2.970852E+02	-8.153069E+00	-4.720117E-02	2.140145E+00
C3	-3.215181E+01	6.691131E+00	4.973131E-02	-2.268767E-01
C4	1.784712E+00	-9.134864E-02	-4.876564E-04	1.967733E-02
C5	-1.687870E+00	1.307477E-01	7.915777E-04	-5.189241E-03
C6	4.194547E-03	-2.279104E-03	-4.133538E-05	1.774786E-04
C7	1.040660E-03	-8.781078E-05	2.744607E-06	6.009910E-06
C8	-9.434483E-04	1.457487E-04	-6.489790E-07	-9.905486E-06
C9	2.307464E-04	-5.868628E-05	-4.534156E-07	4.021697E-06
C10	-4.405919E-05	2.355646E-05	4.178422E-07	-1.790712E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature